

The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK
GOVERNOR

TIMOTHY P. MURRAY
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD
SECRETARY

JOHN AUERBACH
COMMISSIONER

12/15/10

Jessica Healy
Assistant District Attorney, Plymouth County

Dear ADA Healy,

Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED]
Included are copies of the following:

1. Drug Analysis Laboratory Receipt.
2. Curriculum Vitae for Annie Khan, and Kate Corbett.
3. Control Cards with analytical results for samples # [REDACTED]
4. Analysis sheets with chemist's hand notations and test results.
5. GC/Mass Spectral analytical data for samples # [REDACTED]

I, Annie Khan (Dookhan), was the custodial chemist and performed the preliminary testing and net weight for this sample. Kate Corbett was the confirmatory chemist and analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,

A handwritten signature in cursive script, appearing to read "Annie Khan".

Annie Khan (Dookhan)
Chemist II
Drug Analysis Lab
Jamaica Plain, MA. 02130
(617) 983-6631
Annie.Khan@state.ma.us

PLEASE PRINT CLEARLY OR TYPE ALL INFORMATION

The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
State Laboratory Institute

Boston Drug Laboratory
Tel (617) 983-6622
Fax (617) 983-6625

Amherst Drug Laboratory
Tel (413) 545-2601
Fax (413) 545-2608

Boston Hours


8:00 - 11:00
2:00 - 4:00

Amherst Hours


9:00 - 12:00
1:00 - 3:00

DRUG RECEIPT

City or Department: Brockton Police Department

Police Reference No.: 

Name and Rank of Submitting Officer: DONOHUE, PATRICK S 380 DOC # R013121

Defendant(s) Name (last,first,initial):


To be completed by Submitter

Description of Items Submitted

To be completed by Lab Personnel

Gross Weight


Lab Number

1) FINGERS COMPRESSED BROWN PWDR (QTY: 2)
UNK BROWN POWDER (S17833)

23.77 gm

2) PLASTIC BAG UNK WHITE POWDER (QTY: 1)
UNK WHITE POWDER (S17834)

1.79 gm

Received By: 

Date: 8.18.10

Curriculum Vitae

Annie Khan (Dookhan)

Education:

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.

University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

Experience:

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.

*Appointed Assistant Analyst by Assistant Commissioner of Public Health, January 2004.

*Responsible for the identification of drugs to determine violations of harmful and narcotic drug laws.

*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.

*Maintenance and repairs of all analytical instruments.

*Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.

*Responsible for the Quality Control/Quality Assurance program for the drug lab.

*Notary Public.

*Qualified as an expert witness in Massachusetts Courts and U.S. District Court

2001 – 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

*Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department.

*Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.

*Writing, revising and reviewing Standard Operating Procedures (SOPs).

*Routine QC testing of products for the FDA.

*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.

*Calibration, preventive maintenance, QC and QA of analytical instrumentation.

*Complete testing of chemicals for Vendor Validation Project for the FDA.

*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

Additional Training:

Dept. of Justice – Forensics Professionals.

GLP/GMP course with Massachusetts Biologic Laboratory.

QC/QA training according to FDA Codes and Regulations.

GC and GC/MS courses with Agilent Technologies and Restek.

HPLC course with Waters Cooperation.

FTIR course with Spectros.

TOC training with MBL and Sievers.

Association:

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)

Curriculum Vitae

Kate A. Corbett

Education

Bachelor of Science Degree, CHEMISTRY May 2003

MERRIMACK COLLEGE

Coursework included: Organic Chemistry, Inorganic Chemistry, Quantitative Analysis, Instrumental Analysis, Physical Chemistry, Physics, Calculus

Employment

Chemist II State Laboratory Institute (March 2008-Present)

Massachusetts Department of Public Health

Drug Analysis Laboratory

- Responsible for the identification of substance and trafficking substances to determine violation of the Massachusetts drug laws
- Responsible for the identification of pharmaceuticals to determine violation of the Massachusetts drug laws
- Operate analytical instrumentation, microscopes and balances for forensic drug analysis

Chemist I State Laboratory Institute (2005-March 2008)

Massachusetts Department of Public Health

Drug Analysis Laboratory

- Responsible for the identification of substance to determine violation of the Massachusetts drug laws
- Operate analytical instrumentation for the purpose of performing forensic drug analysis
- Successfully completed an eight week training course in the analysis of drugs conducted by senior staff of the Department of Public Health, Drug Analysis Laboratory
- Appointed an assistant analyst for the Department of Public Health, Drug Analysis Laboratory in 2005.

Research Associate (September 2003 – August 2005)

SENSOR TECHNOLOGIES, INC - Shrewsbury, MA

- Prepared chemistries used in making sensor beads
- Generated and examined sensors employing fluorescence spectroscopy
- Performed protein, dye and sugar assays using UV/VIS spectrophotometry
- Carried out titrations on ricin using fluorescence correlation spectroscopy
- Statistical analysis of experimental data

Intern (March 2003 – August 2003)

MASSACHUSETTS STATE POLICE CRIME LABORATORY - Sudbury, MA

- Assisted in the gathering of case files to fulfill the National Institute of Justice's No Suspect Backlog Reduction Grant
- Observed in the Evidence, Criminalistics, DNA, Drug, Trace, Toxicology, and Bomb/Arson Units

No. [REDACTED]
City: Brockton Police Dept.
Officer: Detective PATRICK DONOHUE
Def: [REDACTED]

Date Analyzed:

10/4/10

Amount:

Subst: SUB

No. Cont: 2 Cont: pb

Date Rec'd: 08/18/2010

No. Analyzed:

Gross Wt.: 23.77

Net Weight: 20.62

Tests: 8 ASD

Prelim: Heroin

Findings:

• UICAC
Heroin

DRUG POWDER ANALYSIS FORM

SAMPLE #

AGENCY BrocktonANALYST ASDNo. of samples tested: Evidence Wt. Balance ✓ OIC**PHYSICAL DESCRIPTION:**Beige chunky substance in
2 pbs(fingers)(pbs + wax paper)Gross Wt (2): 21.7664Gross Wt (): Pkg. Wt: Net Wt: **PRELIMINARY TESTS**Spot Tests

2 Cobalt
Thiocyanate (+)

2 Marquis +

2 Froehde's +

~ Mecke's +

Microcrystalline Tests

Gold
Chloride

TLTA ()

OTHER TESTS

PRELIMINARY TEST RESULTSRESULTS HeroinDATE 10-01-10**GC/MS CONFIRMATORY TEST**RESULTS HeroinMS
OPERATOR KACDATE 10-04-10

Sample #: _____

samples tested: _____

| # | Gross Weight | Packet Weight | Net Weight | # | Gross Weight | Packet Weight | Net Weight |
|----|--------------|---------------|------------|----|--------------|---------------|------------|
| 1 | 10.9119 | 0.5966 | 10.3153 | 26 | | | |
| 2 | 10.8547 | 0.5427 | 10.3120 | 27 | | | |
| 3 | | | | 28 | | | |
| 4 | | | | 29 | | | |
| 5 | | | | 30 | | | |
| 6 | | | | 31 | | | |
| 7 | | | | 32 | | | |
| 8 | | | | 33 | | | |
| 9 | | | | 34 | | | |
| 10 | | | | 35 | | | |
| 11 | | | | 36 | | | |
| 12 | | | | 37 | | | |
| 13 | | | | 38 | | | |
| 14 | | | | 39 | | | |
| 15 | | | | 40 | | | |
| 16 | | | | 41 | | | |
| 17 | | | | 42 | | | |
| 18 | | | | 43 | | | |
| 19 | | | | 44 | | | |
| 20 | | | | 45 | | | |
| 21 | | | | 46 | | | |
| 22 | | | | 47 | | | |
| 23 | | | | 48 | | | |
| 24 | | | | 49 | | | |
| 25 | | | | 50 | | | |

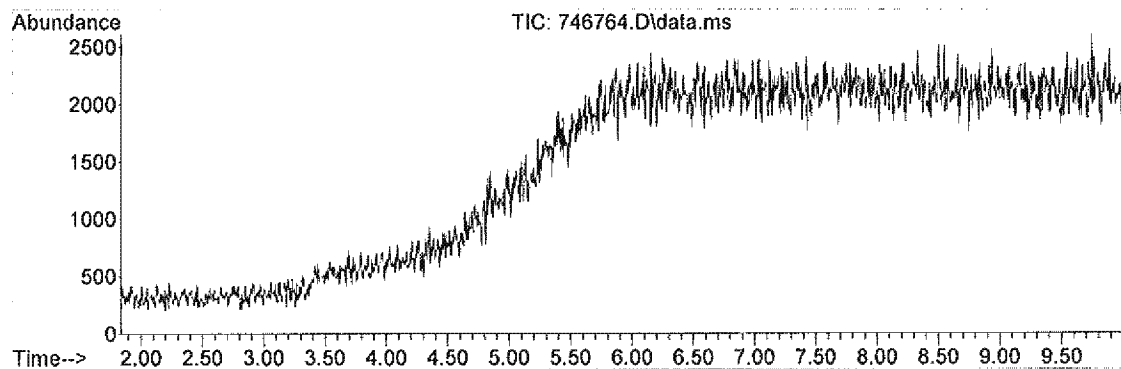
Calculations:

Net wt = 20.6273

VKAC
12/14/10

Information from Data File:

File Name : F:\SYSTEM7\10_01_10\746764.D
Operator : ASD
Date Acquired : 2 Oct 2010 3:32
Sample Name : BLANK
Submitted by : ASD
Vial Number : 2
AcquisitionMeth: DRUGS.M
Integrator : RTE

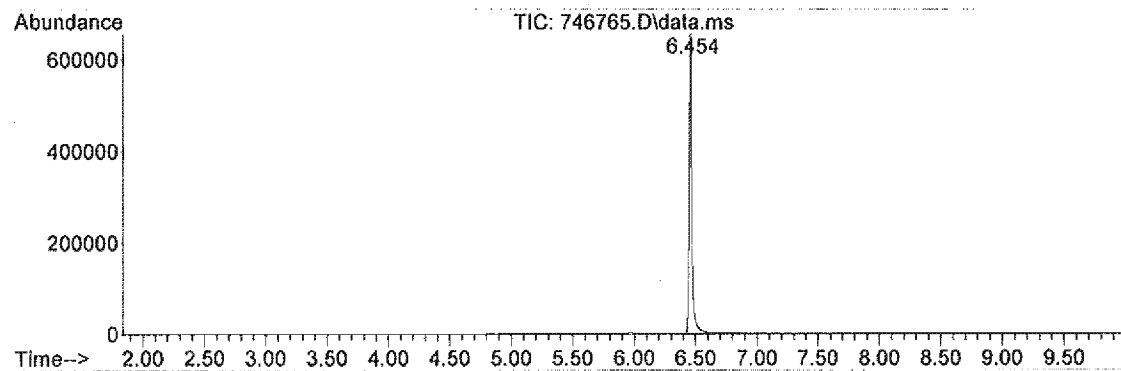


| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

NO INTEGRATED PEAKS

Information from Data File:

File Name : F:\SYSTEM7\10_01_10\746765.D
Operator : ASD
Date Acquired : 2 Oct 2010 3:45
Sample Name : HEROIN STD
Submitted by : ASD
Vial Number : 65
AcquisitionMeth: DRUGS.M
Integrator : RTE



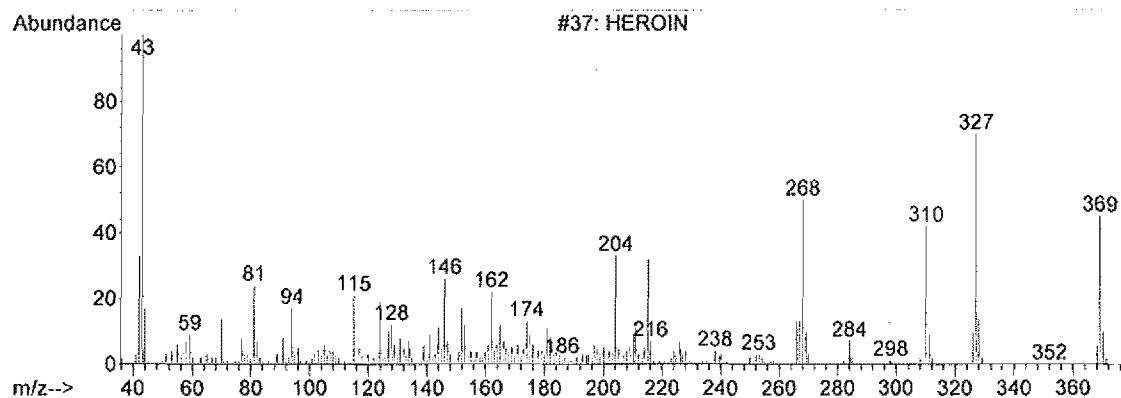
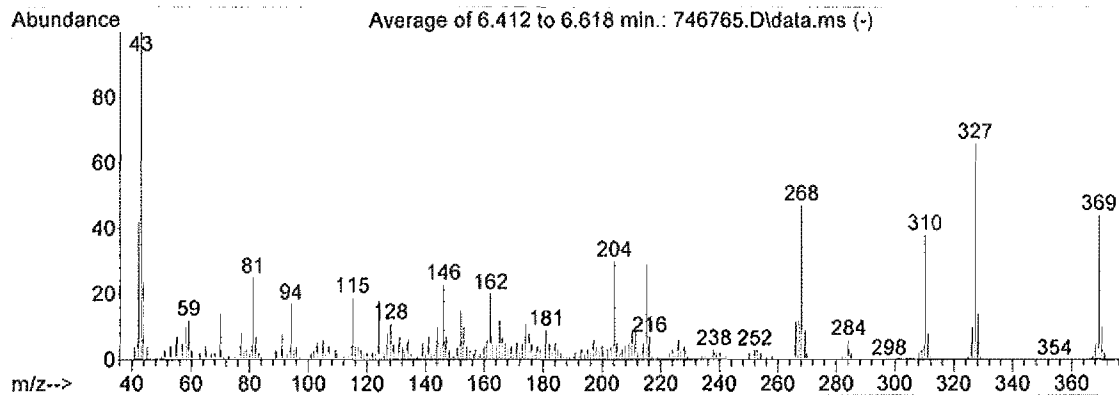
| Ret. Time | Area | Area % | Ratio % |
|-----------|---------|--------|---------|
| 6.454 | 1024092 | 100.00 | 100.00 |

Information from Data File:

File Name : F:\SYSTEM7\10_01_10\746765.D
Operator : ASD
Date Acquired : 2 Oct 2010 3:45
Sample Name : HEROIN STD
Submitted by : ASD
Vial Number : 65
AcquisitionMeth: DRUGS.M
Integrator : RTE

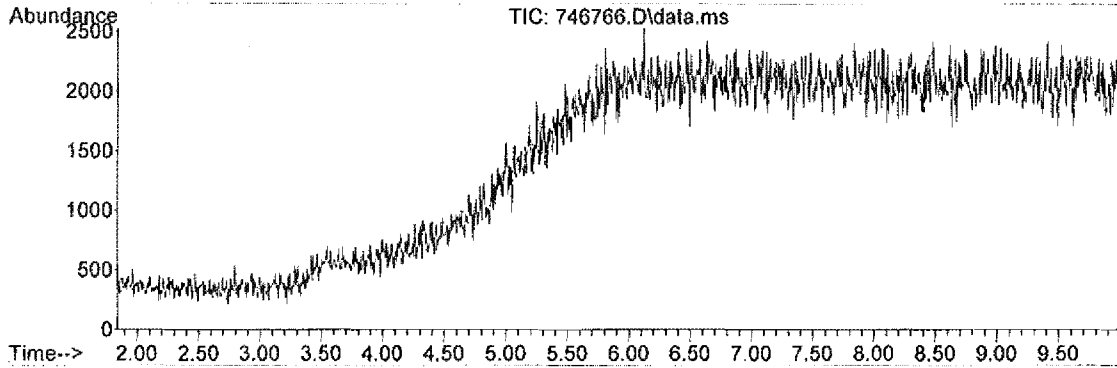
Search Libraries: C:\Database\SLI.L Minimum Quality: 85
C:\Database\PMW_TOX2.L Minimum Quality: 85
C:\Database\NIST05a.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-------------------|-------------|------|
| 1 | 6.45 | C:\Database\SLI.L | | |
| | | HEROIN | 000561-27-3 | 99 |
| | | HEROIN | 000561-27-3 | 99 |



Information from Data File:

File Name : F:\SYSTEM7\10_01_10\746766.D
Operator : ASD
Date Acquired : 2 Oct 2010 3:57
Sample Name : BLANK
Submitted by : ASD
Vial Number : 2
AcquisitionMeth: DRUGS.M
Integrator : RTE

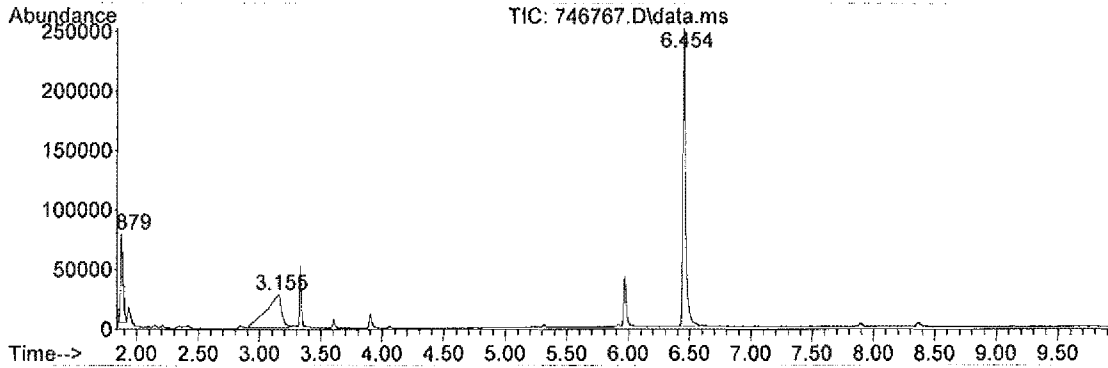


| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

NO INTEGRATED PEAKS

Information from Data File:

File Name : F:\SYSTEM7\10_01_10\746767.D
Operator : ASD
Date Acquired : 2 Oct 2010 4:10
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 67
AcquisitionMeth: DRUGS.M
Integrator : RTE



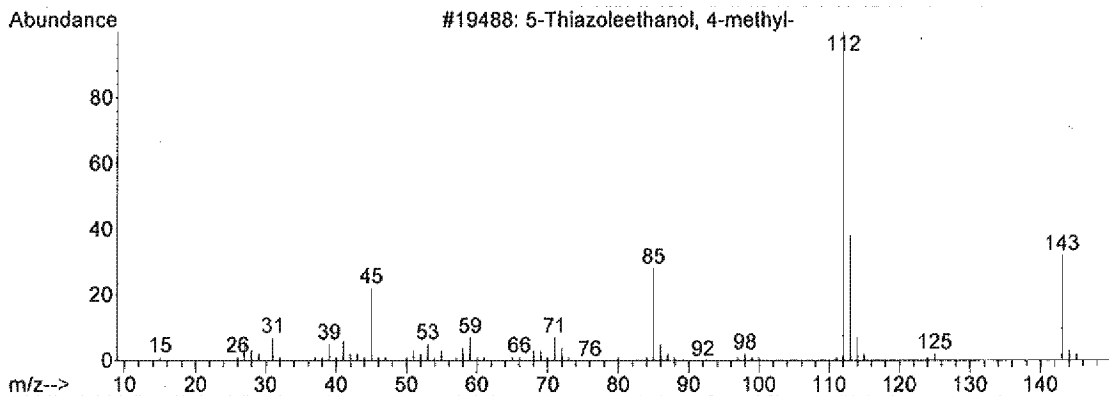
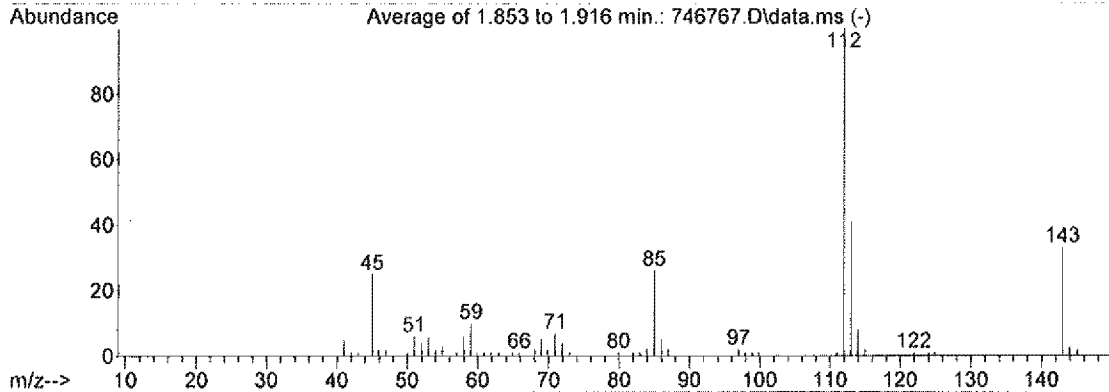
| Ret. Time | Area | Area % | Ratio % |
|-----------|--------|--------|---------|
| 1.879 | 105692 | 13.97 | 25.87 |
| 3.155 | 242386 | 32.03 | 59.32 |
| 6.454 | 408613 | 54.00 | 100.00 |

Information from Data File:

File Name : F:\SYSTEM7\10_01_10\746767.D
Operator : ASD
Date Acquired : 2 Oct 2010 4:10
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 67
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 85
C:\Database\PMW_TOX2.L Minimum Quality: 85
C:\Database\NIST05a.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|------------------------------|-------------|------|
| 1 | 1.88 | C:\Database\NIST05a.L | | |
| | | 5-Thiazoleethanol, 4-methyl- | 000137-00-8 | 96 |
| | | 5-Thiazoleethanol, 4-methyl- | 000137-00-8 | 95 |
| | | 5-Thiazoleethanol, 4-methyl- | 000137-00-8 | 93 |

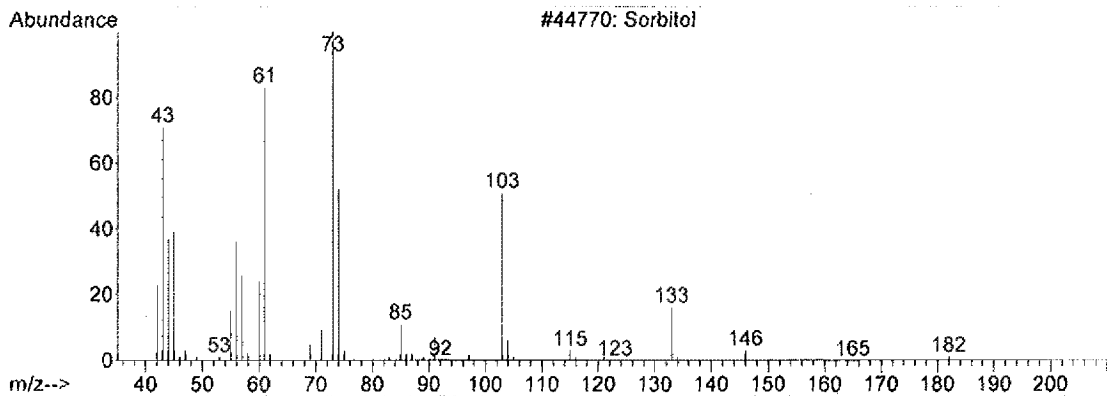
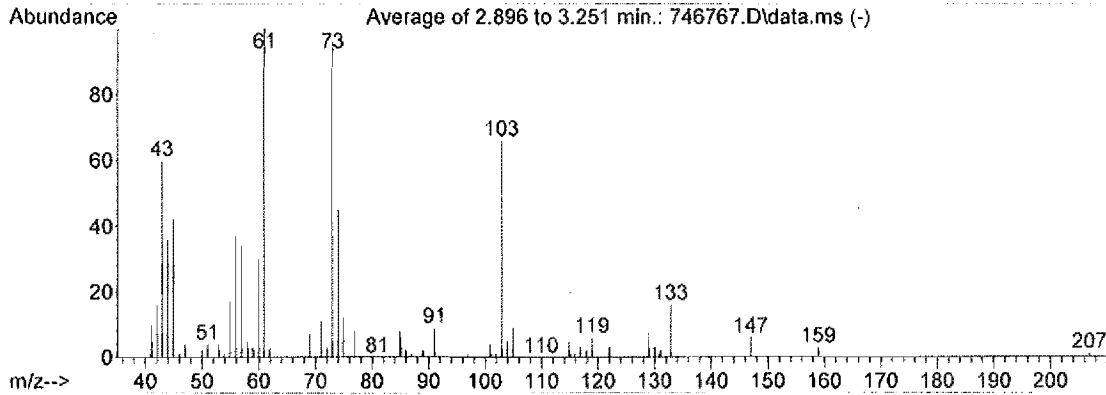


Information from Data File:

File Name : F:\SYSTEM7\10_01_10\746767.D
Operator : ASD
Date Acquired : 2 Oct 2010 4:10
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 67
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 85
C:\Database\PMW_TOX2.L Minimum Quality: 85
C:\Database\NIST05a.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-----------------------|-------------|------|
| 2 | 3.16 | C:\Database\NIST05a.L | | |
| | | Sorbitol | 000050-70-4 | 91 |
| | | Sorbitol | 000050-70-4 | 90 |
| | | D-Mannitol | 000069-65-8 | 72 |



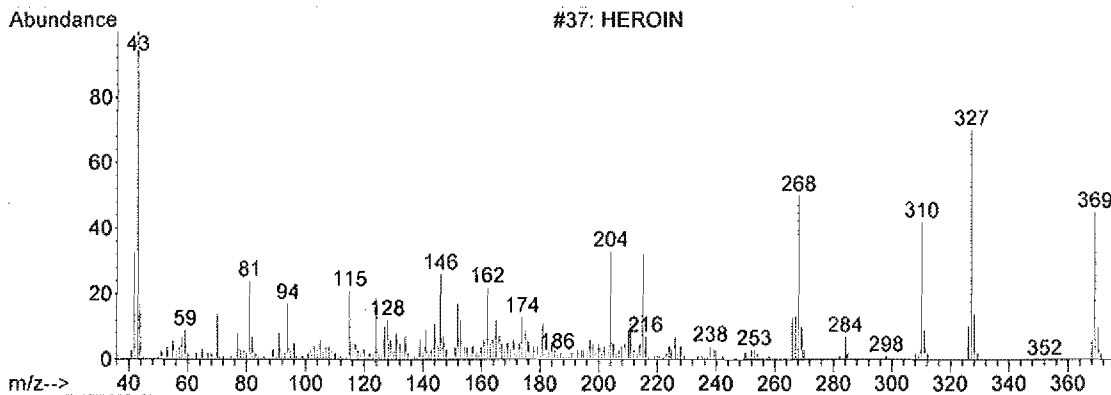
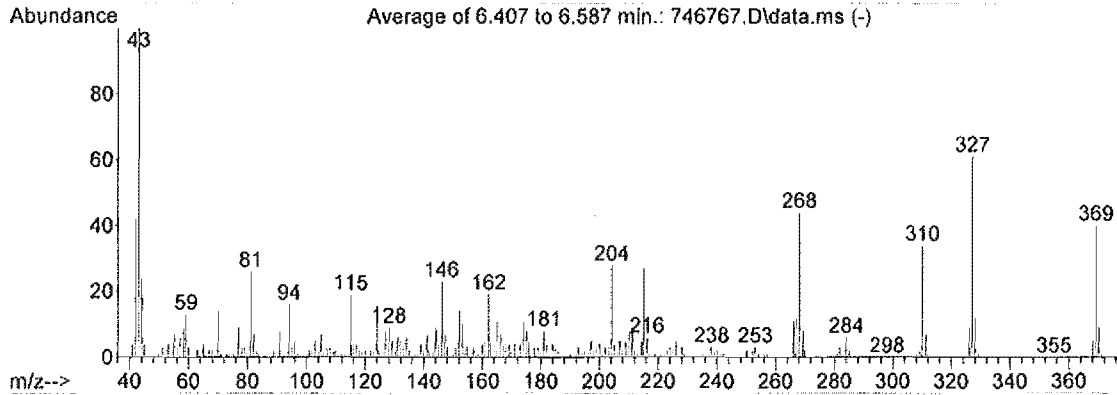
Area Percent / Library Search Report

Information from Data File:

File Name : F:\SYSTEM7\10_01_10\746767.D
 Operator : ASD
 Date Acquired : 2 Oct 2010 4:10
 Sample Name : XXXXXXXXXX
 Submitted by : ASD
 Vial Number : 67
 AcquisitionMeth: DRUGS.M
 Integrator : RTE

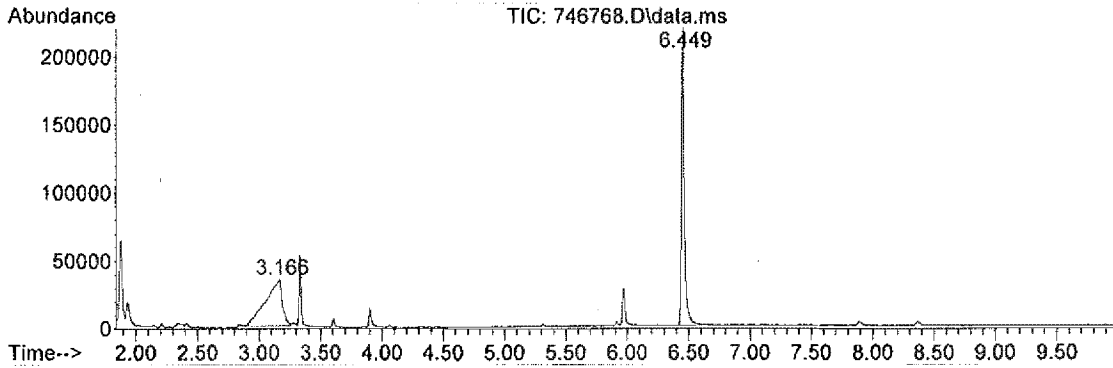
Search Libraries: C:\Database\SLI.L Minimum Quality: 85
 C:\Database\PMW_TOX2.L Minimum Quality: 85
 C:\Database\NIST05a.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-------------------|-------------|------|
| 3 | 6.45 | C:\Database\SLI.L | | |
| | | HEROIN | 000561-27-3 | 99 |
| | | HEROIN | 000561-27-3 | 94 |



Information from Data File:

File Name : F:\SYSTEM7\10_01_10\746768.D
Operator : ASD
Date Acquired : 2 Oct 2010 4:23
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 68
AcquisitionMeth: DRUGS.M
Integrator : RTE



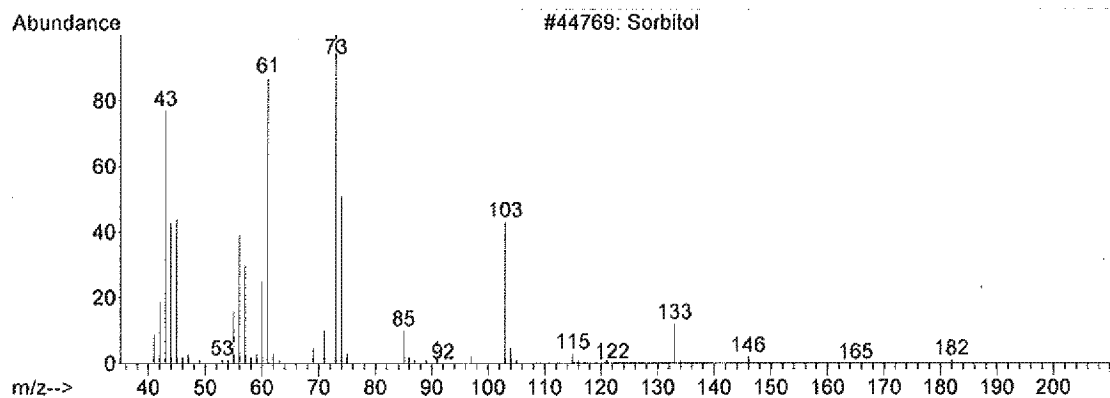
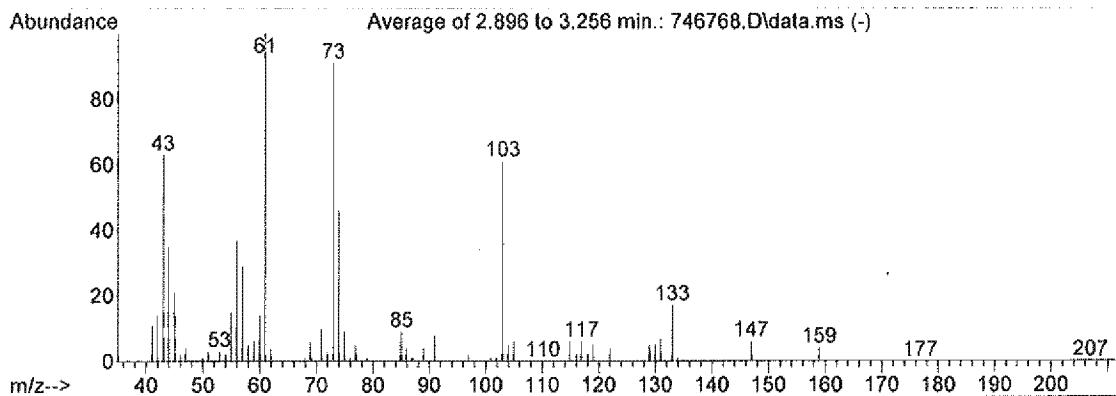
| Ret. Time | Area | Area % | Ratio % |
|-----------|--------|--------|---------|
| 3.166 | 320569 | 46.89 | 88.29 |
| 6.449 | 363080 | 53.11 | 100.00 |

Information from Data File:

File Name : F:\SYSTEM7\10_01_10\746768.D
Operator : ASD
Date Acquired : 2 Oct 2010 4:23
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 68
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 85
C:\Database\PMW_TOX2.L Minimum Quality: 85
C:\Database\NIST05a.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-----------------------|-------------|------|
| 1 | 3.17 | C:\Database\NIST05a.L | | |
| | | Sorbitol | 000050-70-4 | 83 |
| | | D-Mannitol | 000069-65-8 | 78 |
| | | D-Mannitol | 000069-65-8 | 78 |



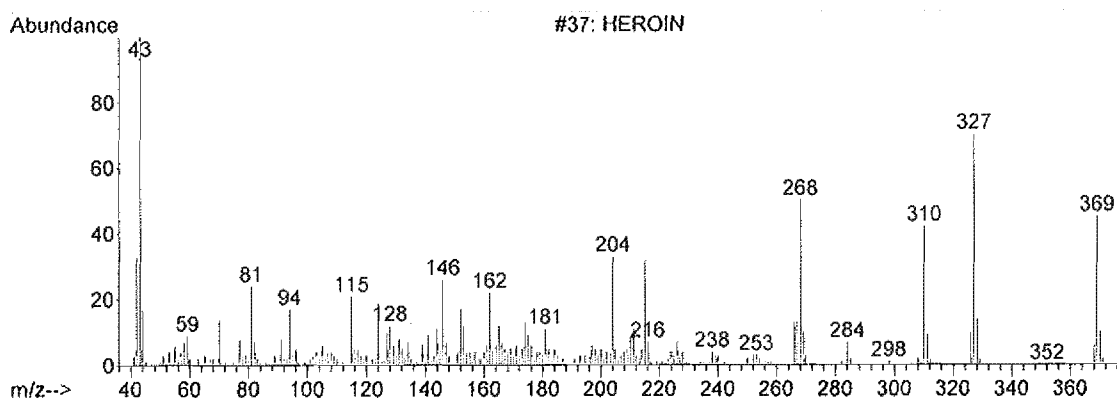
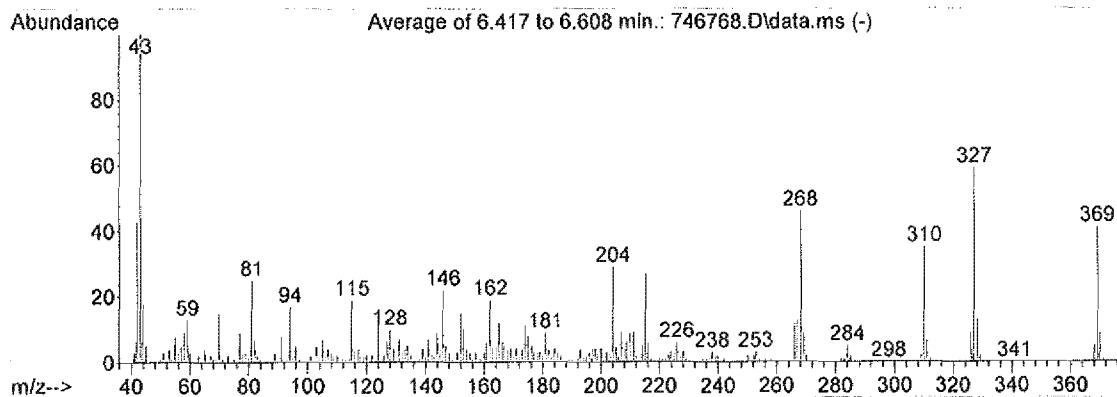
Area Percent / Library Search Report

Information from Data File:

File Name : F:\SYSTEM7\10_01_10\746768.D
 Operator : ASD
 Date Acquired : 2 Oct 2010 4:23
 Sample Name : XXXXXXXXXX
 Submitted by : ASD
 Vial Number : 68
 AcquisitionMeth: DRUGS.M
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 85
 C:\Database\PMW_TOX2.L Minimum Quality: 85
 C:\Database\NIST05a.L

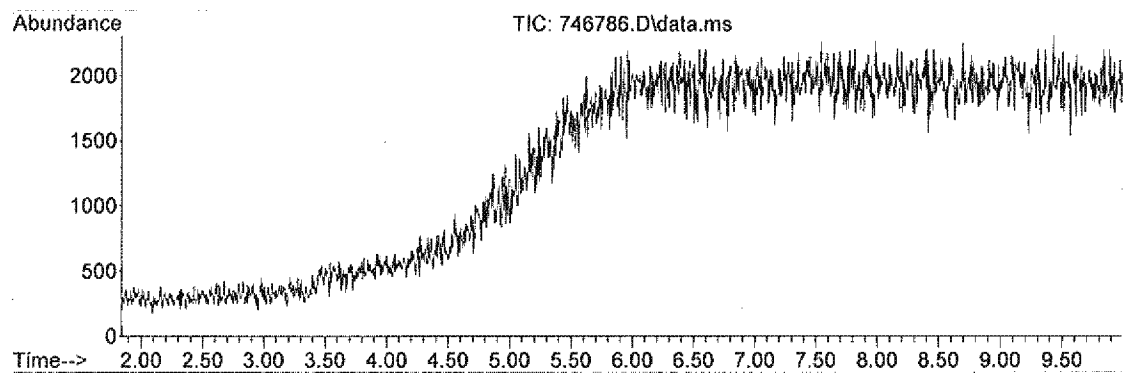
| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-------------------|-------------|------|
| 2 | 6.45 | C:\Database\SLI.L | | |
| | | HEROIN | 000561-27-3 | 99 |
| | | HEROIN | 000561-27-3 | 99 |



Area Percent / Library Search Report

Information from Data File:

File Name : F:\SYSTEM7\10_01_10\746786.D
Operator : ASD
Date Acquired : 2 Oct 2010 8:11
Sample Name : BLANK
Submitted by : ASD
Vial Number : 2
AcquisitionMeth: DRUGS.M
Integrator : RTE



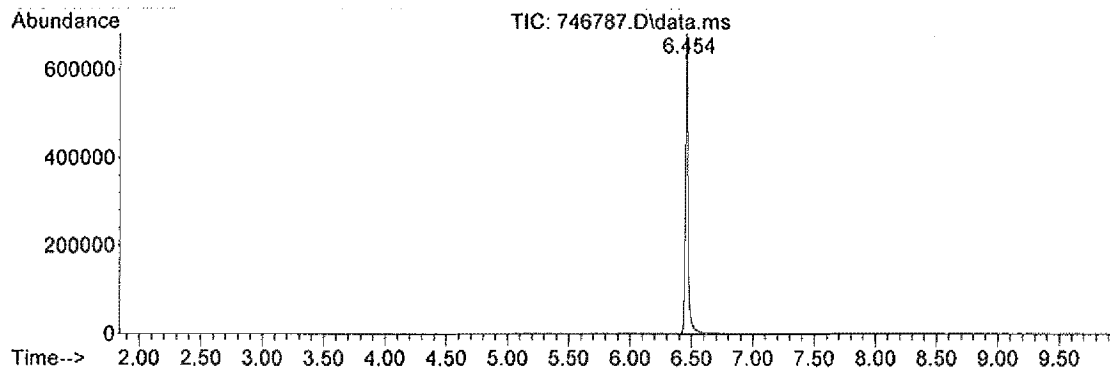
| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\SYSTEM7\10_01_10\746787.D
 Operator : ASD
 Date Acquired : 2 Oct 2010 8:23
 Sample Name : HEROIN STD
 Submitted by : ASD
 Vial Number : 87
 AcquisitionMeth: DRUGS.M
 Integrator : RTE



| Ret. Time | Area | Area % | Ratio % |
|-----------|---------|--------|---------|
| 6.454 | 1044118 | 100.00 | 100.00 |

Area Percent / Library Search Report

Information from Data File:

File Name : F:\SYSTEM7\10_01_10\746787.D
Operator : ASD
Date Acquired : 2 Oct 2010 8:23
Sample Name : HEROIN STD
Submitted by : ASD
Vial Number : 87
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 85
C:\Database\PMW_TOX2.L Minimum Quality: 85
C:\Database\NIST05a.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-------------------|-------------|------|
| 1 | 6.45 | C:\Database\SLI.L | | |
| | | HEROIN | 000561-27-3 | 99 |
| | | HEROIN | 000561-27-3 | 99 |

